

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014600

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G02F1/025

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G02F1/025Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 11-133367 A (Oki Electric Industry Co., Ltd.), 21 May, 1999 (21.05.99), Fig. 1 & US 6198853 B1	1-5, 7-14 6
Y A	JP 3-231220 A (Nippon Telegraph And Telephone Corp.), 15 October, 1991 (15.10.91), Page 2, lower right column, lines 6 to 7 (Family: none)	1-5, 7-14 6
Y	JP 8-335745 A (Fujitsu Ltd.), 17 December, 1996 (17.12.96), Par No. [0012] (Family: none)	5

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

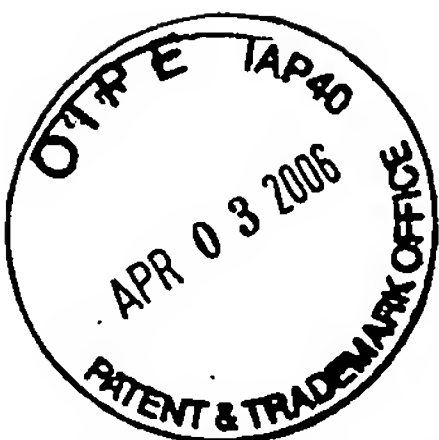
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- "&" document member of the same patent family

Date of the actual completion of the international search
05 January, 2005 (05.01.05)Date of mailing of the international search report
25 January, 2005 (25.01.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 5-75212 A (Nippon Telegraph And Telephone Corp.), 26 March, 1993 (26.03.93), Par No. [0036] (Family: none)	8-11
Y	JP 7-50403 A (Nippon Telegraph And Telephone Corp.), 21 February, 1995 (21.02.95), Par No. [0018] (Family: none)	9
Y	JP 5-307200 A (Nippon Telegraph And Telephone Corp.), 19 November, 1993 (19.11.93), Par No. [0006] (Family: none)	12-14